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HuMAb Binding to Hematopoietic cell lines

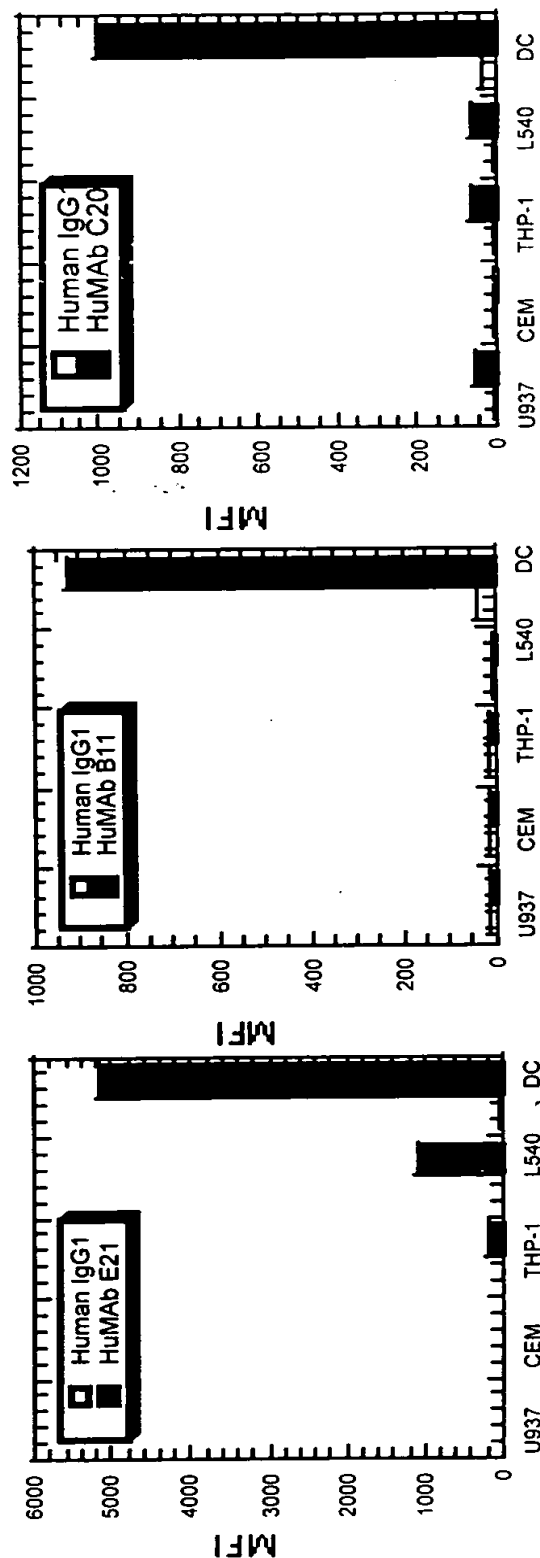


FIGURE 1

HuMAb Binding to dendritic cells

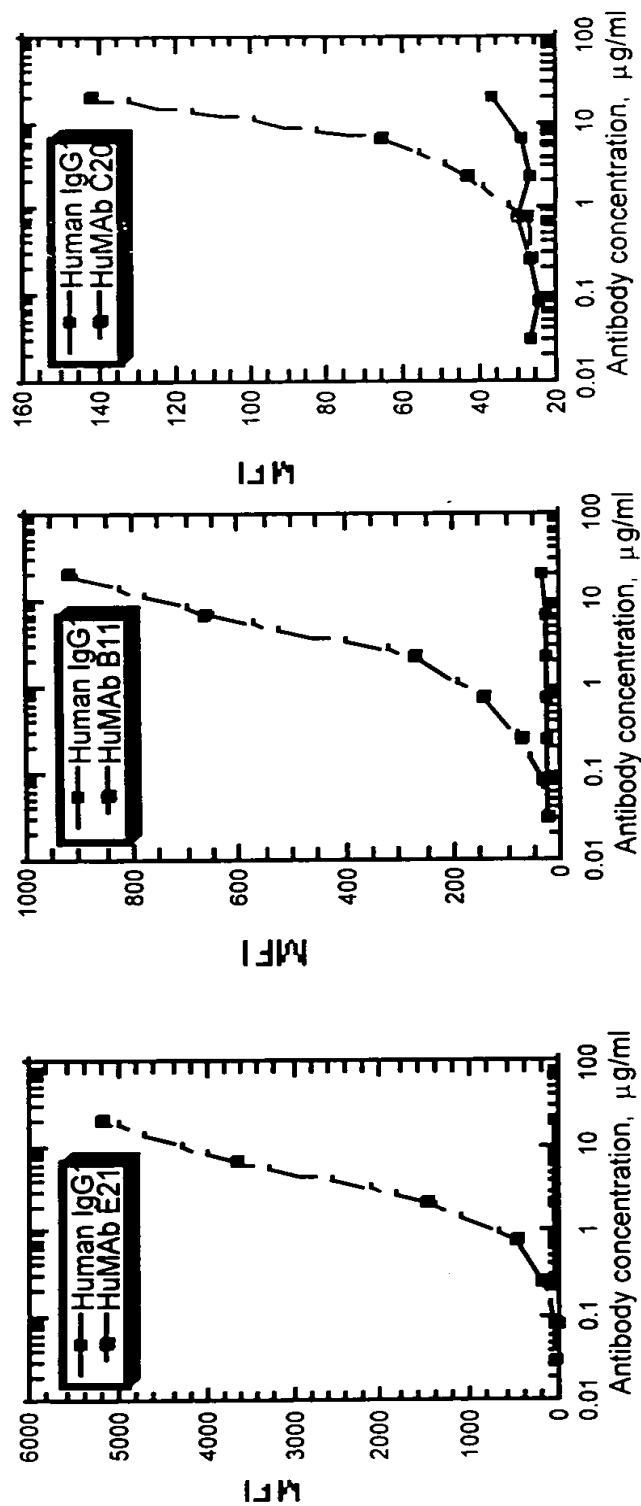


FIGURE 2

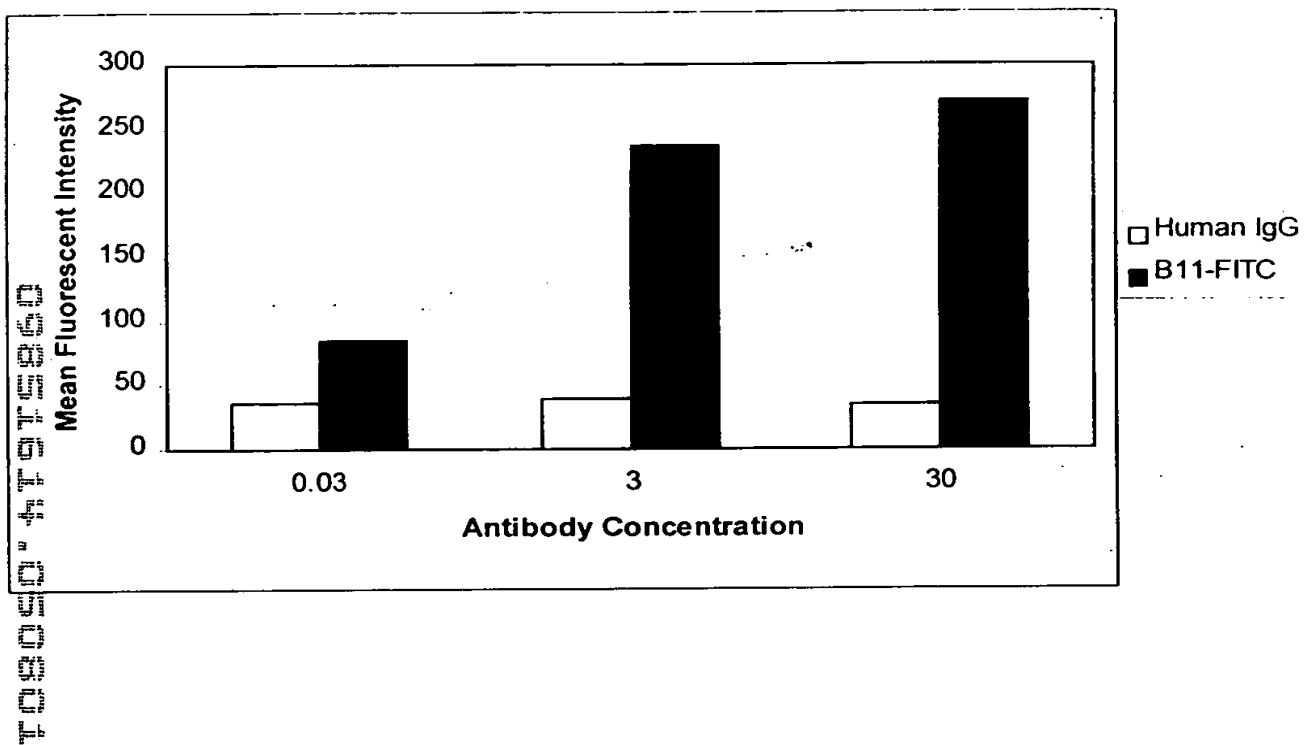
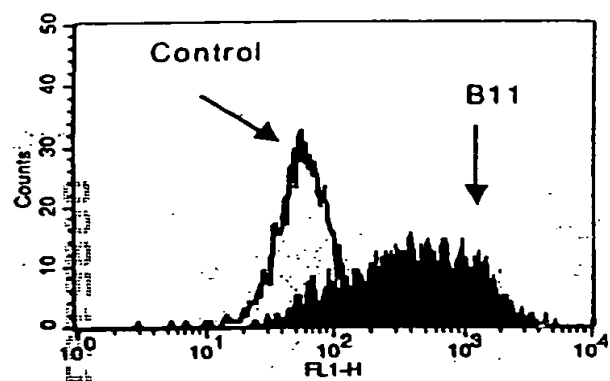


FIGURE 3

Macrophages



Dendritic Cells

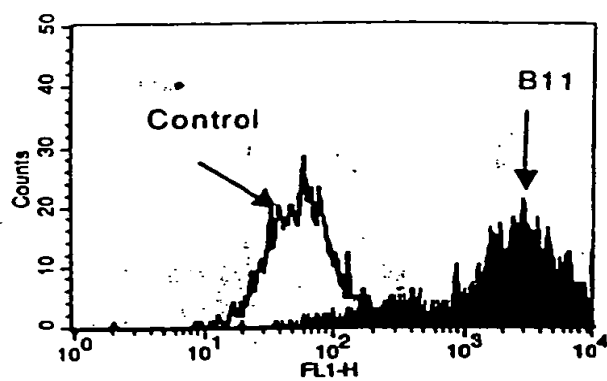


FIGURE 4

THP-1 Cells

THP-1 Cells Cultured
with GM-CSF and IL-4

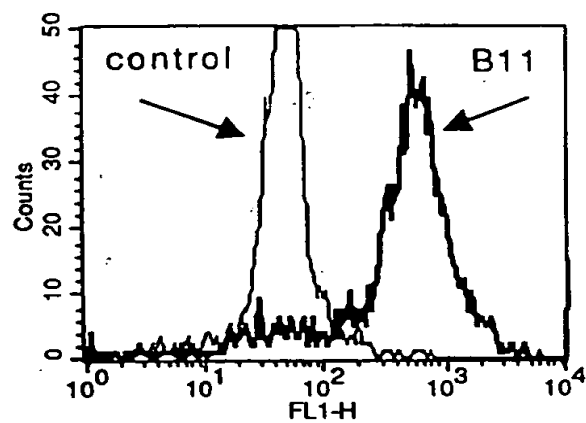
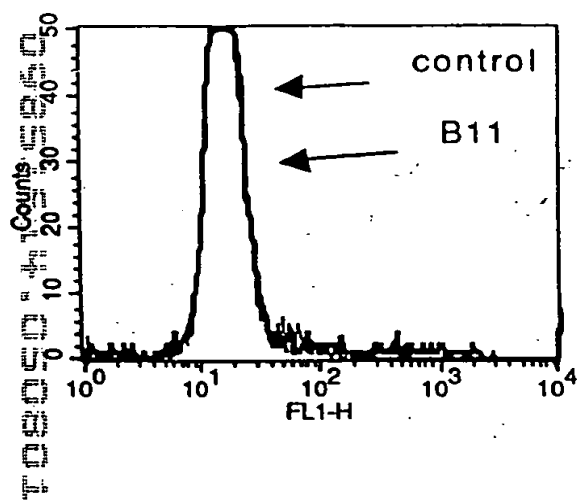


FIGURE 5

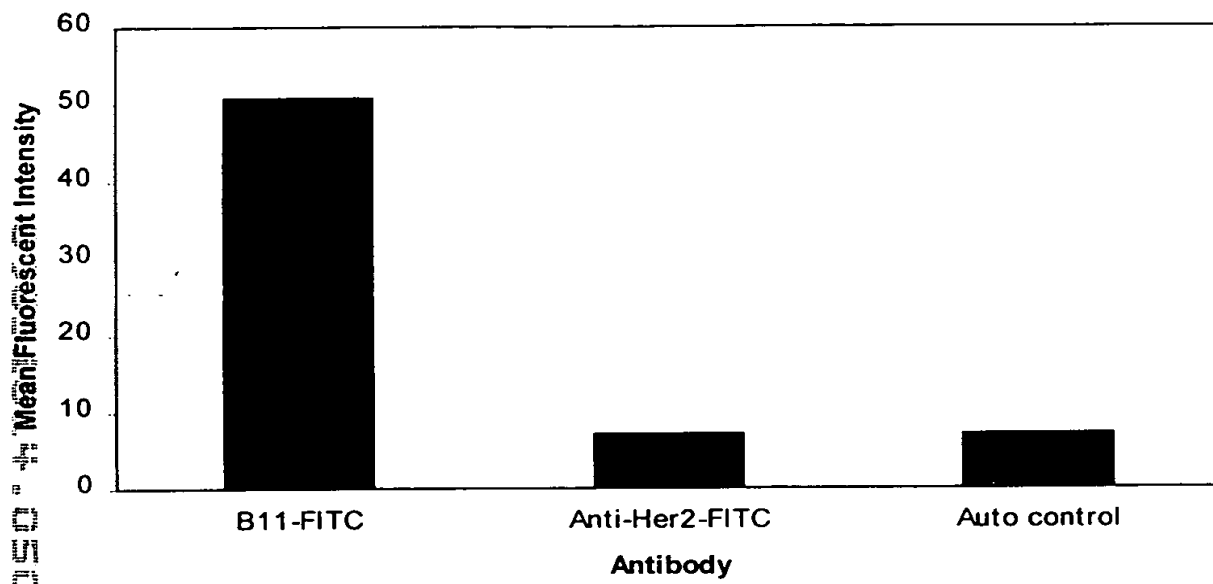


FIGURE 6

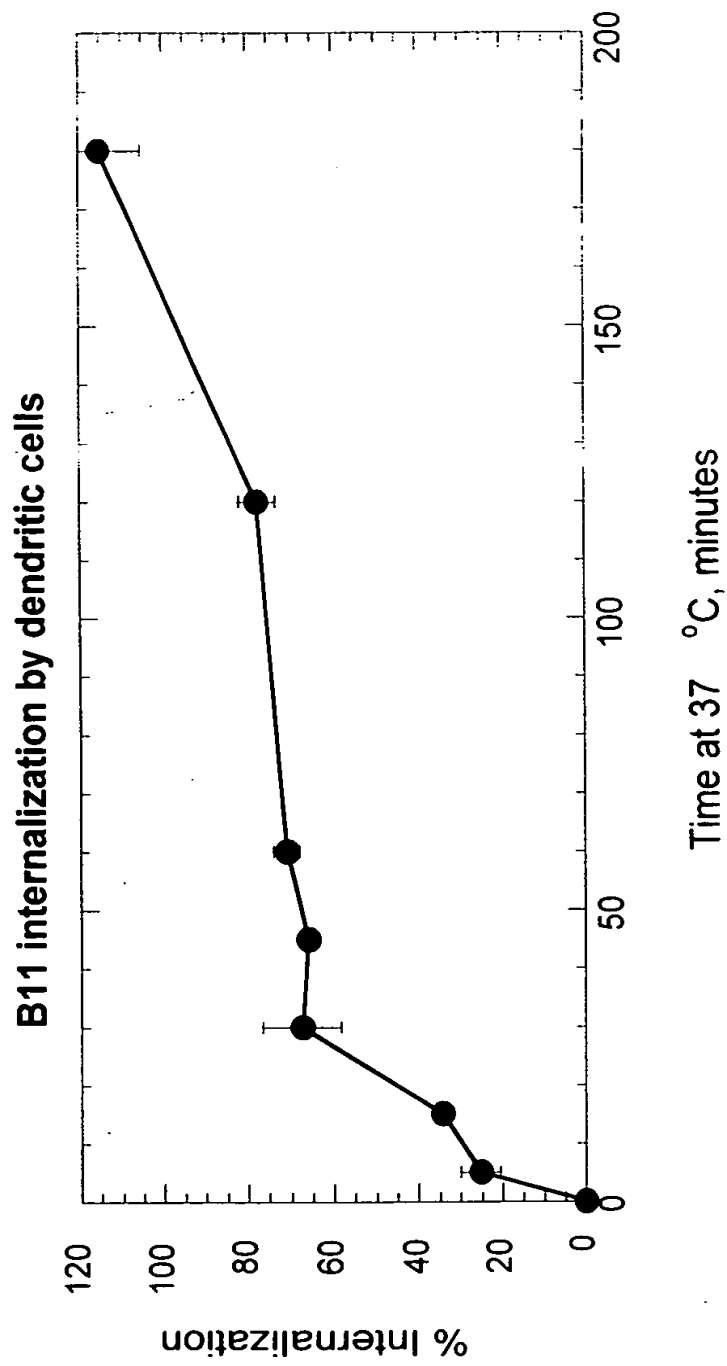


FIGURE 7

Stimulation of TT-specific T cells by B11-TT and TT

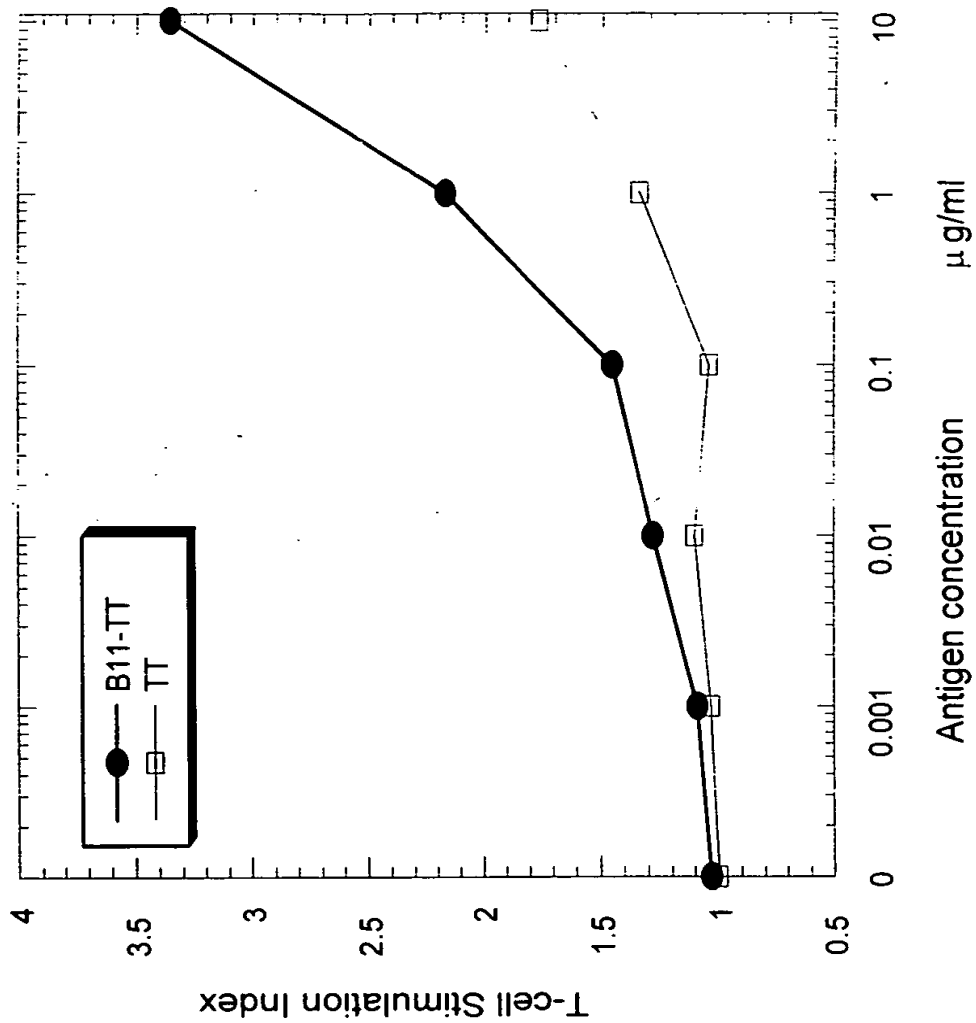


FIGURE 8

B11-ScFv construct map:

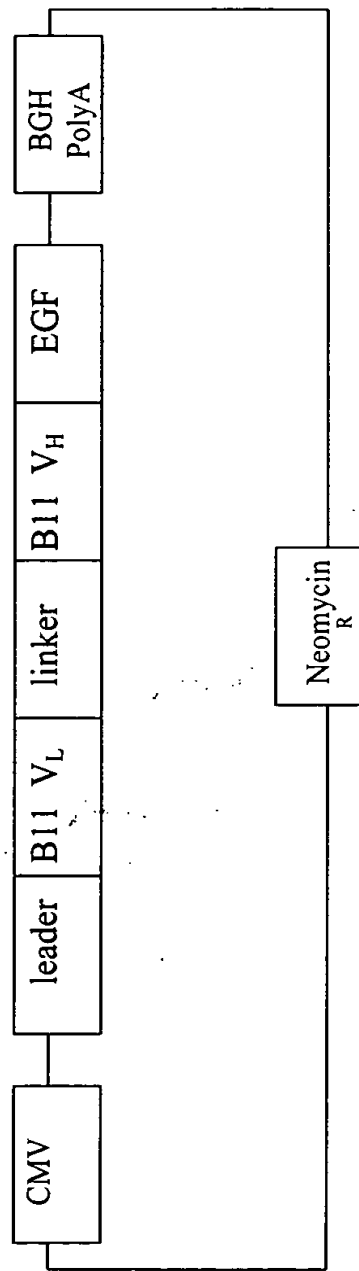


FIGURE 9

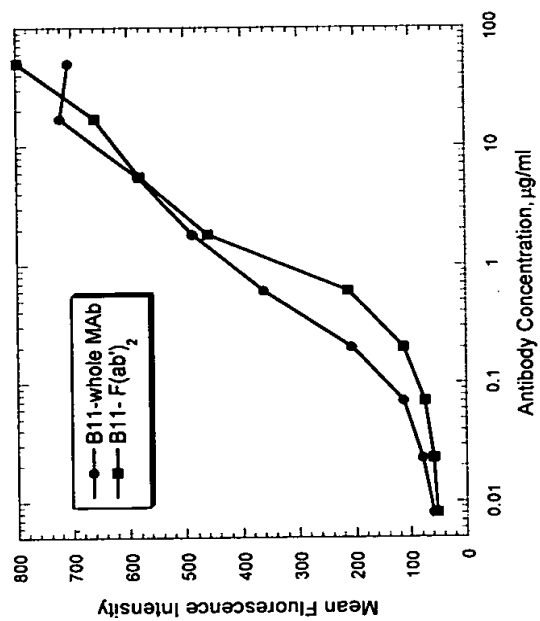


FIGURE 10

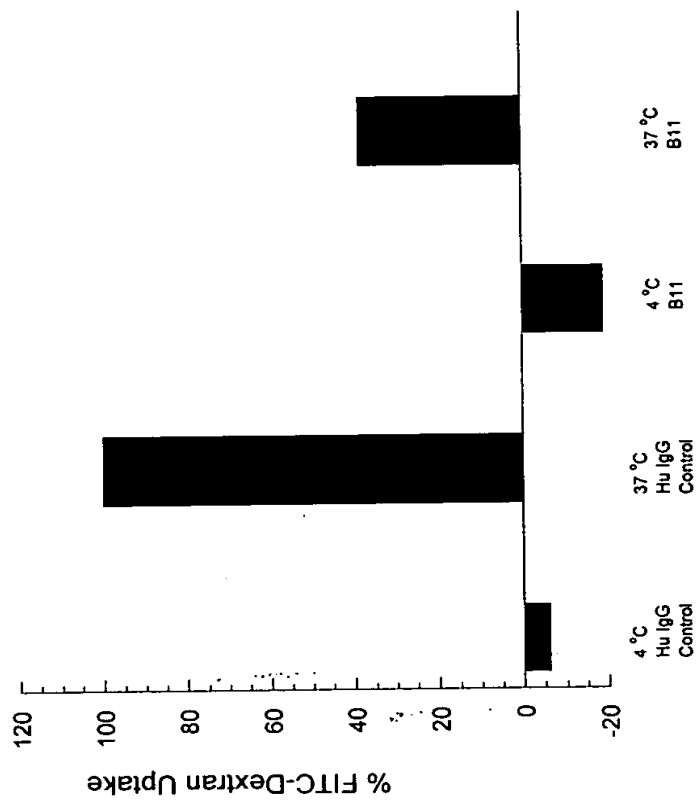


FIGURE 11

Enhanced antigen processing and presentation with B11-targeting

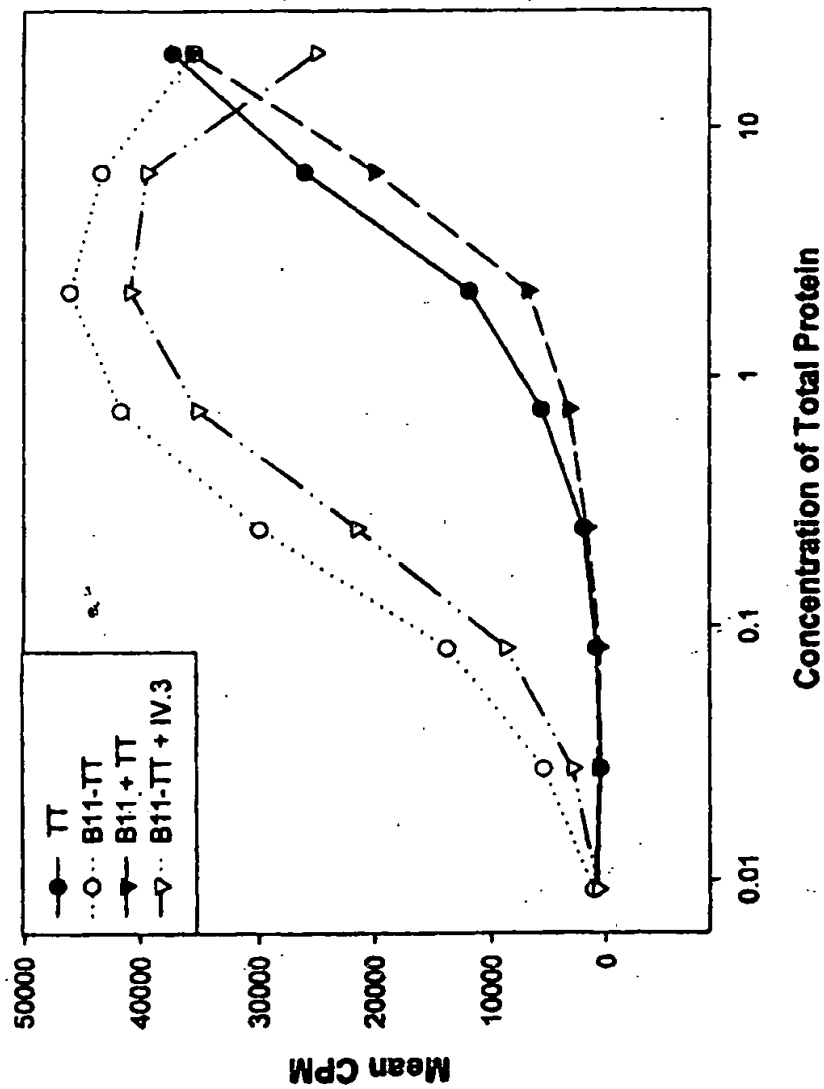


FIGURE 12

B11 HuMAb sequence data:

B11 VL DNA:

GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGAGACA
GAGTCACCATCACTTGTCGGGCGAGTCA
GGGTATTAGCAGGTGGTTAGCCTGGTATCAGCAGAAACCAGAGAAAGCCCCT
AAGTCCCTGATCTATGCTGCATCCAGTT
TGCAAAGTGGGGTCCCATCAAGGTTTCAGCGGCAGTGGATCTGGGACAGATT
CACTCTCACCATCAGCGGCCTGCAGCCT
GAAGATTTTGCAACTTATTACTGCCAACAGTATAATAGTTACCCTCGGACGTT
CGGCCAAGGGACCAAGGTGGAAATCAA
A

B11 VL protein:

DIQMTQSPSSLSASVGDRVITICRASQGISRWLAWYQQKPEKAPKSLIYAASSLQ
SGVPSRFSGSGSGTDFLTISGLQP
EDFATYYCQQYNSYPRTFGQGTKVEIK

B11 VH DNA:

GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCT
CTGAGGATCTCCTGTAAGGGTTCTGGAGA
CAGTTTTACCACCTACTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGC
CTGGAGTGGATGGGGATCATCTATCCTG
GTGACTCTGATACCATATACAGCCCGTCCTTCCAAGGCCAGGTCACCATCTCA
GCCGACAAGTCCATCAGCACCGCCTAC
CTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATGTATTACTGTACGA
GAGGGGACCGGGGCGTTGACTACTGGGG
CCAGGGAACCCTGGTCACCGTCTCCTCA

B11 VH protein:

EVQLVQSGAEVKKPGESLRISCKGSGDSFTTYWIGWVRQMPGKGLEWMGIIYPG
DSDTIYSPFQGGVTISADKSISTAY
LQWSSLKASDTAMYYCTRGRGVDYWGQGTLLTVSS

FIGURE 13

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